

## Interrelation Between Students Papers and Laboratory Works

Laboratory Works	References to Students Papers
Lab. 1. Hierarchical Morphological Design of Modular System: (a) Hierarchical Multicriteria Morphological Design approach, (b) Morphological Tree system model	[4],[9],[10],[11],[12],[13],[14],[16],[18],[25],[30],[S2],[S3]
Lab. 2. Multicriteria Ranking: (1) utility function approach (2) Pareto-based method, (3) outranking technique (ELECTRE-like method)	[5]
Lab. 3. Multicriteria Knapsack Problem	
Lab. 4. Method of Closeness to Ideal Point	
Lab. 5. Clustering	
Lab. 6. Multicriteria Multiple Choice Knapsack Problem	[2],[6],[7],[8],[24],[26],[29]
Lab. 7. Hierarchical ordinal evaluation of composite system (integration tables)	
Lab. 8. Composite Two-problem Framework (preliminary work for Lab. work 10)	
Lab. 9. Assignment/allocation problems	[21],[22]
Lab. 10. Composite Four-problem Framework: (i) clustering (for two element sets), (ii) assignment, (iii) multiple choice knapsack problem	[15],[19],[S5]
Lab. 11. Travelling Salesman Problem TSP	
Lab. 12. By individual choice: (i) new models (QAP, Steiner problem, covering problems, graph coloring, multicriteria versions); (ii) new methods/algorithms (space filling curve, genetic algorithms, evolutionary multiobjective optimization, cross-entropy method, heuristics as tabu search, ant colony optimization, memetic algorithms, etc.); (iii) algorithm(s) analysis/comparison; (iv) new applications	[1],[3],[17],[20],[23],[27],[28]